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SEEDS
FFVS 1-64
September 1964

U.S. SEED EXPORTS SET

NEW RECORD

U.S. seed exports in the 1963-64 crop year (July-June) amounted to a record 117.4 million pounds -- 23 percent above the 95.8 million exported in the preceding year and 11 percent above the previous record shipments of 104.4 million pounds, in the 1960-61 crop year. Grass and legume seed exports of 66.5 million pounds accounted for 57 percent of the total, while "other" field seed shipments of 27.6 million were 24 percent of the total.

The value of 1963-64 exports set a new record of \$28.4 million, compared with the previous high of \$20.8 million in 1962-63. Grass and legume seed exports were valued at \$17.1 million, followed by \$6.4 million for vegetable seeds.

Leading markets for grass and legume seeds were France, Canada, Japan, Italy, West Germany, and the Netherlands, taking more than two-thirds of the total. Canada and West Germany were the largest markets for vegetable seeds, each taking more than a million pounds. West Germany, Canada, and Mexico were the best markets for seed corn -- West Germany, Mexico, and the United Kingdom for field seeds.

Flower seed exports of 302,149 pounds were valued at \$814,355 -- an average value of \$2.70 per pound. The Netherlands was the leading market for these seeds, followed by the United Kingdom, West Germany, and Canada.

The historical upward movement in U.S. seed exports was supplemented by the effect of adverse weather conditions during the summer of 1963 on seed crops in Europe and other areas. Increased emphasis on pasture improvement has accelerated the demand for forage seeds in Japan.

SEEDS: U.S. exports, quantity and value, averages 1950-54 and 1955-59, and annual 1960 to 1963

Year (Beginning July 1)	Grass and legume	Other field	Seed corn	Vege- table	Sugar beet	Flower	Total
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
<u>Quantity</u>							
Average:							
1950-54	23,115	16,836	13,373	3,681	714	186	57,905
1955-59	40,989	11,204	23,595	4,380	483	238	80,889
Annual:							
1960	63,119	21,625	14,163	4,643	493	327	104,370
1961	49,379	26,408	14,251	5,468	460	335	96,301
1962	54,436	22,307	12,488	6,219	84	304	95,838
1963	66,485	27,635	15,942	6,839	213	302	117,416
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
<u>Value</u>							
Average:							
1950-54	6,557	650	1,008	2,466	132	394	11,207
1955-59	10,432	768	2,139	3,345	105	571	17,360
Annual:							
1960	12,750	1,198	1,503	4,244	114	728	20,537
1961	10,829	1,500	1,456	4,294	106	741	18,926
1962	11,613	1,637	1,226	5,511	21	744	20,752
1963	17,095	2,144	1,901	6,365	61	814	28,380

GRASS AND LEGUME SEEDS: U.S. exports by destination and values, July 1, 1963 - June 30, 1964

Destination	Alfalfa			Clovers			Grasses								Total	Value
	Cert.	Uncert.	Total	Alsike	Ladino	Other	Bent	Fescues	Ky. blue	Orchard	Redtop	Timothy	Other			
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 dollars
North America:																
Bahamas	--	--	--	--	--	--	2	--	--	--	--	--	77	79	26	
Bermuda	--	--	--	--	--	--	4	4	--	--	1	--	32	41	13	
British Honduras	--	--	--	--	--	--	--	--	--	--	--	--	1	1	1/	
Canada	2,828	116	2,944	7	690	1,447	739	371	516	7	159	1,979	1,795	10,654	3,720	
Canal Zone	--	--	--	--	11	--	--	--	--	--	--	--	--	11	6	
Costa Rica	--	--	--	--	--	1	--	3	--	2	--	--	20	26	8	
Dominican Republic	2	1	3	--	--	--	--	--	--	--	--	--	--	3	1	
Guatemala	--	1	1	--	--	--	--	5	--	--	--	--	4	10	5	
Honduras	--	--	--	--	--	--	--	--	--	--	--	--	2	2	1/	
Jamaica	--	--	--	--	--	--	--	--	--	--	--	--	1	1	1/	
Mexico	208	1,702	1,910	--	27	62	49	80	4	4	3	--	890	3,029	659	
Netherlands Antilles	--	--	--	--	--	--	--	--	--	--	--	--	2	2	1	
Panama	--	--	--	--	--	3	--	--	--	--	--	--	--	3	1	
Total	3,038	1,820	4,858	7	728	1,513	794	463	520	13	163	1,979	2,824	13,862	4,640	
South America:																
Argentina	--	--	--	15	7	434	6	76	15	--	--	--	244	797	186	
Bolivia	33	5	38	--	--	--	12	11	--	5	--	1	13	80	33	
Brazil	--	--	--	--	9	6	--	21	--	--	--	--	36	72	32	
Chile	730	30	760	--	24	20	--	262	--	--	--	--	656	1,722	541	
Colombia	11	8	19	--	5	101	--	13	--	7	--	--	310	455	87	
Ecuador	2	--	2	--	--	3	--	--	--	4	--	--	31	40	9	
Paraguay	1	--	1	--	--	--	--	--	--	--	--	--	--	1	1	
Peru	--	1	1	--	--	3	--	1	1	4	--	--	7	17	6	
Uruguay	--	--	--	--	--	22	--	220	--	--	--	--	7	249	65	
Venezuela	--	3	3	--	--	--	--	--	--	--	--	--	22	25	12	
Total	777	47	824	15	45	589	18	604	16	20	--	1	1,326	3,458	972	
Europe:																
EEC																
Belgium	16	--	16	--	22	364	135	55	11	--	--	17	422	1,042	255	
France	44	--	44	12	727	662	252	787	22	--	--	144	11,497	14,147	1,812	
Germany, West	219	60	279	175	98	1,463	562	1,176	71	--	163	17	569	4,573	1,513	
Italy	--	--	--	44	543	1,129	19	13	3	--	--	21	3,165	4,937	1,026	
Netherlands	144	354	498	54	125	1,078	878	420	185	--	38	86	877	4,239	1,149	
Total EEC	423	414	837	285	1,515	4,696	1,846	2,451	292	--	201	285	16,530	28,938	5,755	
Austria	15	--	15	--	--	67	48	--	--	--	--	--	1,141	1,271	138	
Azores	--	--	--	--	3	--	--	--	--	--	--	--	--	3	2	
Denmark	65	--	65	--	--	--	122	12	5	--	6	--	163	373	98	
Finland	--	--	--	--	17	90	--	--	--	--	--	--	298	405	66	
Germany, East	--	--	--	--	--	237	--	--	--	--	--	--	--	237	94	
Greece	187	--	187	--	--	--	--	--	--	--	--	--	--	187	83	
Ireland	--	--	--	--	--	115	17	108	--	--	--	128	--	368	92	
Norway	--	--	--	--	--	--	45	--	6	--	--	--	53	104	24	
Portugal	--	--	--	--	1	--	--	--	--	--	--	--	--	1	1	
Spain	55	1	56	--	14	30	--	8	--	--	--	--	38	146	62	
Sweden	13	11	24	--	--	7	389	18	--	--	--	--	2	440	163	
Switzerland	--	--	--	83	124	257	40	18	--	--	14	92	219	847	245	
United Kingdom	--	--	--	--	2	986	830	1,675	14	--	--	--	32	3,539	1,247	
Yugoslavia	--	--	--	--	--	1,541	--	--	--	--	--	--	--	1,541	721	
Total Europe	758	426	1,184	368	1,659	7,953	3,427	4,290	317	--	221	505	18,476	38,400	8,791	
Asia:																
Iran	11	--	11	--	--	10	--	--	--	--	--	--	20	41	14	
Israel	--	--	--	--	--	73	--	--	--	--	--	--	5	78	21	
Japan	28	30	58	11	436	1,263	138	426	90	4	4	958	3,383	6,771	1,506	
Jordan	--	--	--	--	--	--	--	--	--	--	--	--	4	4	1/	
Lebanon	--	--	--	--	--	--	--	--	--	--	--	--	7	7	4	
Mansel and Nanpo Islands	--	--	--	--	--	--	--	--	--	--	--	--	29	29	9	
Pakistan	--	--	--	--	--	--	--	--	--	--	--	--	8	8	3	
Palestine	--	--	--	--	--	--	--	--	--	--	--	--	3	3	1/	
Philippine Republic	--	--	--	--	--	--	--	--	--	--	--	--	4	4	1	
Taiwan	--	--	--	--	--	5	--	--	--	--	--	--	--	5	2	
Thailand	--	--	--	--	--	--	--	--	--	--	--	--	1	1	1	
Total	39	30	69	11	436	1,351	138	426	90	4	4	958	3,464	6,951	1,561	
Africa:																
Cameroon	--	--	--	--	--	2	--	--	--	--	--	--	--	2	1	
Egypt	88	177	265	--	--	--	--	--	--	--	--	--	22	287	67	
Kenya	--	2	2	--	--	2	--	6	--	--	--	--	--	10	5	
Libya	--	--	--	--	--	6	--	--	--	--	--	--	11	17	7	
Morocco	5	--	5	--	--	--	--	--	--	--	--	--	287	292	22	
Nigeria	--	--	--	--	--	--	--	--	--	--	--	--	3	3	1	
South Africa, Republic of	--	--	--	1	22	4	--	46	4	--	2	91	170	59		
Tunisia	--	--	--	--	--	--	--	5	--	--	--	--	--	5	2	
Total	93	179	272	1	22	14	--	57	4	--	--	2	414	786	164	
Oceania:																
Australia	--	--	--	2	684	314	498	385	66	--	--	--	1,073	3,022	960	
French Pacific Islands	--	--	--	--	--	--	--	--	--	--	--	--	2	2	1	
New Zealand	--	--	--	--	--	6	1	--	--	--	--	--	--	7	7	
Total	--	--	--	2	684	320	499	385	66	--	--	--	1,075	3,031	968	
Grand total	4,705	2,501	7,206	403	3,575	11,739	4,877	6,224	1,015	37	388	3,444	27,577	66,485	17,095	
Total value (\$1,000)	2,143	875	3,018	138	1,943	4,475	1,574	1,740	527	16	123	793	2,747	17,095	17,095	

1/ Less than 500 dollars.

VEGETABLE SEEDS: U.S. exports by destination and values, July 1, 1963 - June 30, 1964

Destination	Carrot	Onion	Sweet corn	Other vegetable	Total	Value
	Pounds	Pounds	Pounds	Pounds	Pounds	Dollars
North America:						
Bahamas	--	--	--	10,912	10,912	21,803
Barbados	--	--	--	3,258	3,258	3,414
Bermuda	534	--	2,780	1,269	4,583	4,886
Canada	63,845	26,395	800,151	197,304	1,087,695	679,559
Costa Rica	1,022	2,267	--	20,840	24,129	32,280
Dominican Republic	--	2,964	--	14,335	17,299	27,335
El Salvador	--	--	--	14,188	14,188	28,344
Guatemala	2,312	192	--	20,217	22,721	35,757
Haiti	6,987	2,138	--	6,735	15,860	24,151
Honduras	81	995	--	6,577	7,653	16,299
Jamaica	11,240	396	1,000	19,984	32,620	61,043
Leeward and Windward Islands	--	48	--	2,068	2,116	6,915
Mexico	19,553	30,590	177,082	409,858	637,083	695,578
Nicaragua	--	782	--	1,904	2,686	4,961
Panama	--	516	--	5,457	5,973	11,137
Trinidad	--	--	--	8,039	8,039	20,118
Other	--	--	--	656	656	1,807
Total	105,574	67,283	981,013	743,601	1,897,471	1,675,387
South America:						
Argentina	31,334	644	7,489	110,942	150,409	189,770
Bolivia	--	--	--	8,466	8,466	9,753
Brazil	41,729	8,654	--	111,153	161,536	222,555
British Guiana	--	--	--	144	144	442
Chile	--	--	3,298	16,540	19,838	27,890
Colombia	8,654	648	--	66,593	75,895	108,444
Ecuador	1,924	--	--	11,199	13,123	21,958
Paraguay	--	441	--	1,304	1,745	2,025
Peru	4,528	404	--	32,421	37,353	40,569
Surinam	--	--	--	1,653	1,653	3,660
Uruguay	5,805	3,685	8,275	20,252	38,017	37,514
Venezuela	8,770	17,187	--	141,539	167,496	313,898
Total	102,744	31,663	19,062	522,206	675,675	978,478
Europe:						
EEC						
Belgium	--	--	9,836	7,603	17,439	12,052
France	97,849	5,096	1,814	251,503	356,262	332,668
Germany, West	27,341	1,138	714,750	268,991	1,012,220	311,099
Italy	1,930	8,170	45,336	182,871	238,307	324,008
Netherlands	119,399	16,303	--	571,153	706,855	503,059
Total EEC	246,519	30,707	771,736	1,282,121	2,331,083	1,482,886
Austria	--	1,609	1,330	2,233	5,172	12,357
Denmark	34,630	2,595	1,510	130,368	169,103	141,156
Greece	360	--	--	87,696	88,056	101,551
Hungary	--	--	--	5,171	5,171	5,004
Ireland	--	1,196	--	4,674	5,870	5,449
Norway	1,100	551	--	666	2,317	4,781
Poland	920	--	--	1,641	2,561	6,440
Portugal	--	--	--	5,621	5,621	10,805
Rumania	--	--	--	111,027	111,027	11,836
Spain	--	842	440	1,775	3,057	6,538
Sweden	--	--	440	42,547	42,987	38,122

(Continued)

VEGETABLE SEEDS: U.S. exports by destination and values, July 1, 1963 - June 30, 1964 (Continued)

Destination	Carrot	Onion	Sweet corn	Other vegetable	Total	Value
	Pounds	Pounds	Pounds	Pounds	Pounds	Dollars
Europe (Continued):						
Switzerland	400	1,000	678	23,996	26,074	26,038
Turkey	--	--	--	3,547	3,547	5,520
U.S.S.R.	1,199	--	--	--	1,199	9,839
United Kingdom	87,137	8,285	6,320	83,969	185,711	201,070
Yugoslavia	--	29,062	--	50,430	79,492	119,233
Other	--	620	--	514	1,134	2,761
Total Europe	383,065	76,467	782,454	1,837,996	3,079,982	2,191,386
Asia:						
Arabia	--	116	--	2,554	2,670	7,005
Bahrein	168	--	--	3,506	3,674	6,504
Ceylon	5,572	--	--	28,363	33,935	56,334
Hong Kong	1,098	17,943	16,640	4,771	40,452	63,993
India	--	--	--	3,459	3,459	4,993
Iran	--	--	1,000	310	1,310	1,042
Iraq	--	--	--	139,530	139,530	153,063
Israel	10,083	1,325	4,000	308	15,716	17,149
Japan	67,011	4,475	78,700	49,006	199,192	186,973
Jordan	344	--	882	39,293	40,519	67,201
Korea, Republic of	--	--	--	10,667	10,667	71,351
Laos	--	840	--	5,300	6,140	7,424
Lebanon	--	220	574	50,697	51,491	64,715
Nansei	5,099	1,314	--	8,111	41,524	18,993
Pakistan	450	--	--	3,055	3,505	7,968
Philippine Republic	2,136	31,026	--	17,490	50,652	110,356
Saudi Arabia	739	160	1,800	12,762	15,461	26,521
Syria	--	--	3,278	19,541	22,819	38,226
Taiwan	5,970	2,200	--	9,881	18,051	45,852
Thailand	832	6,155	--	22,032	29,019	57,726
Vietnam	--	645	--	1,207	1,852	4,348
Other	--	--	--	2,363	2,363	4,726
Total	99,502	66,419	106,874	434,206	707,001	1,022,463
Africa:						
British East Africa	1,254	6,970	--	5,195	13,419	16,756
Egypt	--	--	--	80,273	80,273	74,282
Ethiopia	--	--	--	1,669	1,669	3,063
Ghana	160	240	--	1,286	1,686	2,773
Kenya	--	4,205	--	915	5,120	10,691
Liberia	--	--	--	5,122	5,122	10,200
Libya	--	--	--	3,501	3,501	4,344
Morocco	--	552	--	41,958	42,510	42,624
Rhodesia and Nyasaland	932	470	--	3,051	4,453	11,439
South Africa, Republic of	13,058	7,582	11,786	87,113	119,539	129,130
Sudan	--	--	--	3,068	3,068	3,271
Tunisia	--	--	--	2,286	2,286	1,950
Other	--	--	--	3,600	3,600	4,883
Total	15,404	20,019	11,786	239,037	286,246	315,406
Oceania:						
Australia	6,802	7,453	--	70,027	84,282	89,897
French Pacific Islands	240	106	--	1,594	1,940	3,724
New Zealand	10,994	5,230	31,200	58,622	106,046	88,531
Total	18,036	12,789	31,200	130,243	192,268	182,152
Grand total	724,325	274,640	1,932,389	3,907,289	6,838,643	6,365,272
Value (dollars)	775,372	718,026	496,299	4,375,575	6,365,272	6,365,272

CORN SEED (except sweet corn seed): U.S. exports by destination and values,
July 1, 1963 - June 30, 1964

Destination	:Quantity:	Value:	Destination	:Quantity:	Value
	: pounds	: dollars		: pounds	: dollars
North America:			Europe (Continued):		
Bahamas	1	1/	Czechoslovakia	45	72
Canada	4,841	746	Hungary	56	7
Costa Rica	31	6	Portugal	125	15
Dominican Republic	18	2	Spain	338	48
El Salvador	34	4	Sweden	39	6
Haiti	12	3	Switzerland	6	1
Jamaica	89	17	United Kingdom	85	7
Leeward & Windward	5	1/	Total Europe	7,998	661
Mexico	2,387	346	Asia:		
Panama	6	1	Arabia	2	1/
Total	7,424	1,125	Iraq	3	1
South America:			Japan	237	69
Argentina	120	27	Pakistan	7	1
Chile	4	1	Saudi Arabia	25	3
Peru	1	1/	Total	274	74
Uruguay	3	1	Africa:		
Venezuela	4	1	Nigeria	4	1
Total	132	30	South Africa, Rep. of	89	7
Europe:			Total	93	8
EEC			New Zealand	19	5
Belgium	120	14			
France	262	39			
Germany, West	5,349	325			
Italy	1,015	87			
Netherlands	558	40	Grand total	15,942	1,901
Total EEC	7,304	505			

1/ Less than 500 dollars.

FLOWER SEEDS: U.S. exports by destination and values,
July 1, 1963 - June 30, 1964

Destination	: Quantity :	Value :	Destination	: Quantity :	Value
	: :	:		: :	:
	: Pounds :	Dollars :		: Pounds :	Dollars
North America:	:	:	Europe (Continued):	:	:
Bahamas	170:	510:	Denmark	24,750:	50,696
Bermuda	145:	2,224:	Ireland	718:	714
Canada	32,000:	141,760:	Sweden	16,963:	30,363
Costa Rica	238:	566:	Switzerland	5,501:	26,157
El Salvador	210:	1,336:	United Kingdom	46,816:	120,513
Jamaica	330:	2,574:	Other	137:	1,736
Mexico	2,415:	12,851:	Total Europe	218,727:	475,815
Trinidad	376:	2,320:	Asia:	:	:
Other	226:	3,164:	Hong Kong	100:	1,212
Total	36,110:	167,305:	Iraq	269:	1,333
South America:	:	:	Japan	6,816:	16,458
Argentina	875:	1,833:	Kuwait	123:	582
Bolivia	466:	1,216:	Lebanon	481:	945
Colombia	2,095:	6,617:	Philippine Republic :	1,126:	2,664
Ecuador	304:	1,220:	Other	107:	1,383
Peru	156:	1,300:	Total	9,022:	24,577
Uruguay	412:	1,400:	Africa:	:	:
Venezuela	749:	3,744:	Liberia	184:	868
Other	12:	256:	Rhodesia-Nyasaland ..:	580:	1,394
Total	5,069:	17,586:	South Africa, Rep. of:	10,162:	42,069
Europe:	:	:	Other	24:	588
EEC	:	:	Total	10,950:	44,919
Belgium	1,855:	4,945:	Oceania:	:	:
France	20,273:	57,208:	Australia	12,734:	51,674
Germany, West	34,725:	46,402:	New Zealand	9,537:	32,479
Italy	1,109:	3,504:	Total	22,271:	84,153
Netherlands	65,880:	133,577:		:	:
Total EEC	123,842:	245,636:	Grand total	302,149:	814,355

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FIELD SEEDS ^{1/}: U.S. exports by destination and values,
July 1, 1963 - June 30, 1964

Destination	:Quantity:	Value :	Destination	:Quantity:	Value
	: :	:		: :	:
	: 1,000 :	1,000 :		: 1,000 :	1,000
	: <u>pounds</u> :	<u>dollars</u> :		: <u>pounds</u> :	<u>dollars</u>
North America:	:	:		:	:
British Honduras ...:	35 :	3 :		:	:
Canada	1,302 :	76 :		:	:
Costa Rica	238 :	43 :	Europe (Continued):	:	:
Dominican Republic :	125 :	14 :	Denmark	194 :	8
Guatemala	66 :	8 :	Finland	330 :	16
Honduras	10 :	1 :	Ireland	134 :	12
Mexico	2,359 :	231 :	Rumania	11 :	5
Panama	62 :	6 :	Spain	132 :	17
Trinidad	1,868 :	80 :	Switzerland	20 :	3
Other	2 :	2/ :	United Kingdom	2,122 :	79
Total	6,067 :	462 :	Total Europe	15,253 :	1,122
South America:	:	:	Asia:	:	:
Argentina	1,602 :	151 :	Israel	2,964 :	241
Bolivia	6 :	1 :	Japan	189 :	17
Brazil	19 :	7 :	Philippine Republic :	10 :	2
Colombia	70 :	9 :	Taiwan	2 :	1
Uruguay	38 :	4 :	Total	3,165 :	261
Venezuela	736 :	59 :	Africa:	:	:
Total	2,471 :	231 :	Mozambique	10 :	1
Europe:	:	:	South Africa, Rep. of:	657 :	66
EEC	:	:	Other	8 :	1
Belgium	1,808 :	73 :	Total	675 :	68
France	593 :	30 :		:	:
Germany, West:	6,499 :	707 :	Australia	4 :	2/
Italy	1,490 :	71 :		:	:
Netherlands	1,920 :	101 :	Grand total	27,635 :	2,144
Total EEC	12,310 :	982 :		:	:

^{1/} Include Austrian winter pea, kudzu, lespedeza, lupine, millet, vetch, and other field seeds. ^{2/} Less than 500 dollars.